

SYNTHETIC BLEND DIESEL ENGINE OIL



A synthetic blend utilizing Group III base stock oils and an advanced additive system to minimize combustion chamber ash deposits while having high alkaline reserves protect engine components. The wide viscosity range provides superior low temperature fluidity, high oxidation and thermal stability to protect the engine against sludge and varnish deposits.

SAE GRADE	0W30	0W40	5W40	15W40
Density @ 15.5°C, KG/L	0.846	0.866	0.877	0.879
Kinematic Viscosity (D445) CST @ 40°C	56.98	85.79	97.2	118
Kinematic Viscosity (D445) CST @ 100°C	10.36	15.05	15.1	15.7
Viscosity Index (D2270)	152	148	148	140
Viscosity CCS CP @ -25°C	N/A	N/A	N/A	6300
Viscosity CCS CP @ -35°C	5560	5500	5500	N/A
Flash Point (D92), °C	238	188	208	232
Pour Point (D97), °C	-48	-46	-42	-39
TBN	10	10	10	10
Ash Sulphate, Mass%	0.99	0.99	0.99	0.99
Colour	4.5	4.7	4.9	5
*NOTE: VALUES SHOWN ABOVE ARE REPRESENTATIVE OF CURRENT PRODUCTION AND MAY VARY WITHIN MODEST RANGES				

Applications: Meets or exceeds the following service requirements:

- > API: CK-4: 5W40 & 15W40, CJ-4, CI-4, CH-4
- > API: SN: 5W40 & 15W40, SM, SL, SJ
- > MACK: ESO-4.5, E0-K/2, EO-L, EO-O PP 07', EO-N PP 03', EO-N PLUS, EO-M
- > DETROIT DIESEL: 75E 270, 93K222/18/15/14
- > CATERPILLAR: IN/1K, ECF-3/1
- > EXTENTION SEQUENCES IN IIIIE, VE AND L-38 BENCH TEST
- > VOLVO: VDS-4.5/4/3/2
- > CUMMINS: 20086, 20081, 20071, 20072, 20076, 20077, 20078
- > MERCEDES BENZ: 228.31, 228.3
- > RENAULT: RLD-4, 3
- > MAN: M-3575, 3275
- > GLOBAL DHD-1
- > ACE E9-04
- > JASO DH-2
- > MIL-L-2104 E/F
- > ALLISON C-4/3
- > FORD: WSS-M2C171-F1